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October 28, 1999

CERTIFIED RETURN RECEIPT P 074 976 777

Phil Palmer Diamond K Gypsum, Incorporated P.O. Box 35 Richfield, Utah 84701

Re:

Review of Amendment Response, Diamond K Gypsum, Inc.(DKG), DKG Quarry, M/015/041 (UTU-69860), Emery County, Utah

Dear Mr. Palmer:

The Division has completed a review of your letter received July 12, 1999. The letter was a response to our April 19, 1999 review of the amendment to your Notice of Intention to Commence Large Mining Operations for the DKG Quarry located in Emery County, Utah. After reviewing this latest information, the Division has determined that a few minor clarifications remain to be resolved. Issues requiring clarification are described in the attached review comments. Please provide a written response to these review comments, so we may proceed with the approval process.

DKG will need to post the required amount of reclamation surety in a form acceptable to the Division to receive final approval for the proposed amendment. As part of posting a new surety DKG will need to provide an updated Reclamation Contract and disturbed area description. A blank Reclamation Contract form and a copy of the current Reclamation Contract and disturbed area description are enclosed to assist you.

If you require any assistance in completing the reclamation contract or surety forms please contact Joelle Burns at (801) 538-5291 or Tony Gallegos at (801) 538-5267. Thank you for your cooperation in completing this permitting action.

Sincerely,

D. Wayne Hedberg Permit Supervisor

Minerals Regulatory Program

jb

Attachments: Review comments, reclamation estimate, schedule of mining & reclamation

Dean Nyffeler, Price BLM FO (UTU-69860) w/attachments

John Welsh w/attachments

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# REVIEW OF AMENDMENT TO NOTICE OF INTENTION TO COMMENCE LARGE MINING OPERATIONS

Diamond K Gypsum, Inc. (DKG)
DKG Quarry Mine
M/015/041
October 28, 1999

## R647-4-104 - Filing Requirements and Review Procedures

As stated in the previous review, the final version of the amendment will now need to be included into the large mine plan document. Please revise the text of the large mine plan to include the amendment and the latest versions of all appropriate maps and submit a complete plan volume to the Division. Please submit this volume within the next 45 days, or no later than December 20, 1999. (AAG)

### R647-4-106 - Operation Plan

# 106.3 Estimated acreages disturbed, reclaimed, annually.

The Division has used the revised schedule provided by DKG to prepare a new schedule of acreage disturbed and reclaimed for the years of 1999 to 2008. The section in the February 12, 1999, DKG submission under the heading of R647-4-110.3 mentioned that a new road would be created and the old road would be abandoned. This latest schedule of mining and reclamation from DKG did not include any disturbed acreage for new road area or reclaimed acreage for the old road.

At the DKG operations the haul road is developed within the footprint of the mined out areas. As the mined out areas are reclaimed the access road remains unreclaimed for access to the next block to be mined until access to the last area of mining is no longer needed. At the time of final reclamation this remaining road would be reclaimed.

The possibility of DKG's last access road being assumed by the County in replacement of the existing steep road would not be known until near the end of the mine life. For this reason the Division has included a figure of 2.6 acres of main access road allocated in the schedule of mining and reclamation (see attached) over the years of active mining. This main access road was assumed to be located within the various mining blocks reaching the last mined block at the farthest border of the Area C grid of blocks. Please acknowledge this road acreage as acceptable, or provide information to support an alternate acreage.

Active mining areas of five (5) acres were assumed for the purpose of calculating a reclamation estimate. If the proposed reclamation schedule is followed, the maximum unreclaimed area, at any one time, would be kept to a minimum. Reclamation of a previously mined area cannot occur until the new active mining area has been created. For estimation purposes the Division has assumed the maximum unreclaimed area to include an inactive area previously mined, the last active mine area, and main access road. The active mine area would include the quarry floor, the overburden stockpiles, and topsoil stockpiles. The Division has used a maximum unreclaimed acreage figure of 12.6 acres in the attached reclamation estimate. This total is based on five (5) acres of inactive mine area, five (5) acres of last mined area, and 2.6 acres of main access road. Please acknowledge this acreage as being acceptable, or provide information to support an alternate acreage. (AAG)

Subtotal

Total

Rounded surety amount in yr 2004-\$

\$2,778

\$29,815

\$35,019

\$35,000

5,204

46

47

48

49

50

51

Escalate for 5 years at 3.27% per yr

Average cost per disturbed acre =

and the same				
	RECLAMATION SURE ESTIMATE	CALL STANK		
	Diamond K Gypsum, Inc.	last revision	10/27/99	
4	DIC Quality	name o:\data\bonding\m15-41.wb3		
	110//010/071 (010 00000)	mery County		
a	Prepared by Utah State Division of Oil, Gas	s & Mining		
Note (1)	Means 1999 & Blue Book 3Q/99: Cat D9N, U, multi shank ri			
(2)	Means 1999 & Blue Book 3Q/99: Cat D9N, U, mtl 2550 lb/C	Y, 50 ft push, 1 ft depth		
(1) (2)	Means 1999 & Blue Book 3Q/99: Cat D9N, U, multi shank ri Means 1999 & Blue Book 3Q/99: Cat D9N, U, mtl 2550 lb/C	ppers, speed 1.0 mph Y, 50 ft push, 1 ft depth		
(3) (01)	Means 1999 & Blue Book 3Q/99: Cat D9N, U, mtl 2550 lb/C dogm general estimate - lump sum - 4ft dia culvert	Y, 50 ft push, used avg vol 0.5C	Y/LF-berm	
(4) (4)	Means 1999 & Blue Book 3Q/99: Cat D9N, U, mtl 2550 lb/C Means 1999 & Blue Book 3Q/99: Cat D9N, U, mtl 2550 lb/C	Y, 100 ft push Y, 100 ft push		
(02)	DOGM general estimate - drill seeding			
(03)	DOGM general estimate - site cleanup & trash removal			
(04)	DOGM general estimate - equipment mobilization			
(5)	Means 1999, 010-036-0180, project manager, minimum \$1	,860/wk		1

# MINE SCHEDULE OF ACREAGE DISTURBED & RECLAIMED

Diamond K Gypsum, Inc. M/015/041 (UTU-69860)

**Emery County DKG Quarry** 

27-Oct 1999 filename o:\data\bonding\m15-41.wb3 page "acreage" last revision

-Estimated initial disturbance as of 10/26/99: B (3.32) + C (4.09) +access road (0.60) = 8.01 acres

-Acreages used in this table for new mine area & annual reclamation taken from DKG response received July 12, 1999 -Allocated the estimated 2.6 acres of main access road disturbance over the years 1999 - 2004

-Assumed that mining new areas stops in year 2004 & reclamation of remaining disturbance occurs in next year

-Column "beginning disturbance" = disturbance existing at beginning of the year(includes active areas plus all reclaimed but unreleased areas)
-Column "total new" = new road area + new mine area
-Column "total disturbed" = beginning disturbance + total new
-Column "adjusted total" = total disturbed - released this year

	Adjusted	Total	Beginning Disturbance	Total	New Road Area	New Mine Area	Reclaimed this year	Reclaimed Unreleased	Released in 3 yrs	Released in 2 yrs	Released in 1 yr	this year
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NOW-1999	8.01	8.01	3.32	4.69	09.0	4.09	0.00	3.18	0.00	3.18	0.00	0.00
2000	11.71	11.71	8.01	3.70	0.40	3.30	3.20	6.38	3.20	0.00	3.18	0.00
2001	12.93	16.11	11.71	4.40	0.40	4.00	4.00	7.20	4.00	3.20	0.00	3.18
2002	18.33	18.33	12.93	5.40	0.40	5.00	4.00	11.20	4.00	4.00	3.20	00.00
2003	19.53	3 22.73	18.33	4.40	0.40	4.00	4.00	12.00	4.00	4.00	4.00	3.20
2004	19.93	23.93	19.53	4.40	0.40	4.00	4.00	12.00	4.00	4.00	4.00	4.00
2005	15.93	19.93	19.93	0.00	0.00	0.00	7.93	15.93	7.93	4.00	4.00	4.00
2006	11.93	15.93	15.93	0.00	0.00	0.00	0.00	11.93	0.00	7.93	4.00	4.00
2007	7.93	3 11.93	11.93	0.00	0.00	0.00	00.00	7.93	00.00	0.00	7.93	4.00
2008	00.00	0 7.93	7.93	0.00	0.00	0.00	0.00	00.0	00.00	0.00	0.00	7.93
2009	00.00	00.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2010	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	00.00	0.00
	-	FINAL RECLAMATION RELEASE IN YEAND OF ACTIVE MINING IN YEAR 2004	FINAL RECLAMATION RELEASE IN YEAR 2008 END OF ACTIVE MINING IN YEAR 2004	80								